

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 02-404267 (71)Applicant : MITSUI TOATSU CHEM INC
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(54) PRODUCTION OF UNSATURATED QUATERNARY AMMONIUM SALT

(57)Abstract:

PURPOSE: To carry out the alkylation reaction of a vinyl monomer having a tert. amine group in an aqueous solution while suppressing the hydrolysis reaction generating an acid as a by-product.

CONSTITUTION: A vinyl monomer having a tert. amine group, an alkylation agent and water are simultaneously, continuously or intermittently charged to a reactor and reacted with each other. Since the reactor contains minimum amounts of raw materials, the hydrolysis reaction of the vinyl monomer having tert. amine group can be remarkably suppressed.